UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/737,200	12/15/2003	Steve Dispensa	007230.00014	9098

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
Office Action Summary		10/737,200	DISPENSA ET AL.
		Examiner	Art Unit	
		BARBARA BURGESS	2457	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _22 December 2009_.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _4,6,7,10-18 and 20_ is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _4,6,7,10-18 and 20_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

   1. ☐ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____.

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date _2-18-11, 9-8-10_.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

This Office Action is in response to Petition Granted to reinstate application from

Abandonment on 3-18-11 and Amendment filed 12-22-09. Claims 5, 8-9, 19 have been

cancelled as requested by Applicant. Claims 4, 6-7, 10-18 are presented for further

examination. Claim 20 is newly added and presented for initial examination.

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by
> another filed in the United States before the invention by the applicant for patent or (2) a patent
> granted on an application for patent by another filed in the United States before the invention by the
> applicant for patent, except that an international application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this subsection of an application filed in the United States
> only if the international application designated the United States and was published under Article 21(2)
> of such treaty in the English language.

2.   Claim 20 is rejected under 35 U.S.C. 102(e) as being anticipated by Hesselink et

al. (hereinafter "Hess", US Patent Publication 2003/0191848 A1).

As per claim 20, Hess discloses a system comprising:

at least one access server including a virtual private network module configured to

implement a secure communication channel between a virtual private network module

resident in a remote computing client and the at least one access server (paragraphs

[0003, 0009, 0017]),

wherein the virtual private network module in the at least one access server is configured to:

receive, from the virtual private network module resident in the remote computing client, a public portion of a first encryption data set in a first session set-up message, generate a second encryption data set corresponding to the first session set-up message, the second encryption data set comprising a public portion and a private portion (paragraphs [0063-64, 0069]),

encrypt the public portion of the second encryption data set with a private key of the at least one access server (paragraphs [0056, 0072, 0062]),

transmit, to the virtual private network module resident in the remote computing client, the encrypted public portion of the second encryption data set in a second session set-up message (paragraphs [0067, 0070]), and

if decryption of the encrypted second public portion of the second encryption data set is successful, establish a session with the virtual private network module in the remote computing client (paragraphs [0076, 0087-88]).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and

the prior art are such that the subject matter as a whole would have been obvious at the time the
invention was made to a person having ordinary skill in the art to which said subject matter pertains.
Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 4, 6-7, 10-18 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Araujo et al. (hereinafter "Ara", US Patent Publication 2003/0191799 A1) in view of

Hesselink et al. (hereinafter "Hess", US Patent Publication 2003/0191848 A1).

As per claim 4, Ara discloses a system to provide remote computing client access to

resources provided by at least one server in at least one target computing network,

comprising:

a point-of-presence node configured to connect to the at least one target computing

network (paragraphs [0029-0030, 0060-0061], Ara teaches a Virtual Office Server

(point-of-presence node) connected to a LAN (target computing network);

at least one Internet Protocol Security concentrator resident in the point of presence

node (paragraphs [0060-0061, 0063, 0069], Ara teaches the Virtual Office Server

having an SSL and firewall/router for providing secure, remote, web-based access);

at least one access server resident in the point of presence node, wherein the at least

one access server comprises a virtual private network module configured to implement

a secure communication channel between the remote computing client and the at least

one server in the at least one target communication network (paragraphs [0009, 0027,

0057, 0060-0061], Ara teaches a Virtual Office Server providing the user with a "virtual

office". The user is provided a secure, remote connection to various office processing

applications. The user must provide username and password to logon to virtual office

capability).

Ara does not explicitly disclose the newly added limitations.

However, these limitations are well-known to one of ordinary skill in the art as evidenced

by Hess as shown below:

wherein the remote computing client comprises a virtual private network module

configured to cooperate with the virtual private network module resident in the point of

presence node (paragraphs [0003, 0009, 0017]),

wherein the virtual private network module in the remote computing client and the virtual

private module in the at least one access server are configured to establish an

encrypted communication channel between a specific application executing; on the

remote computing client and the point of presence node (paragraphs [0003, 0009,

0017]),

wherein the virtual private network module in the remote computing client is configured

to:

generate a first encryption data set comprising a public portion and a private portion

(paragraphs [0063-64, 0069]),

transmit the public portion of the first encryption data set to the virtual private network

module in the at least one access server in a first session set-up message (paragraphs

[0062-64]),

wherein the virtual private network module in the at least one access server is
configured to:

receive the public portion of the first encryption data set in the first session set-up
message (paragraphs [0063-64]),

generate a second encryption data set corresponding to the first session set-up
message, the second encryption data set comprising a public portion and a private
(paragraphs [0063-64, 0069]),

encrypt the public portion of the second encryption data set with a private key ot~
the at least one access server (paragraphs [0056, 0072, 0062]),

transmit the encrypted public portion of the second encryption data set in a second
session set-up message (paragraphs [0067, 0070]),

wherein the virtual private network module in the remote computing client further is
configured to:

receive the encrypted public portion of the second encryption data set in the second
session set-up message (paragraphs [0064, 0069]),

decrypt the encrypted public portion of the second encryption data set (paragraphs
[0070-72]),

if decryption is successful, establish a session between the virtual private network
module in the remote computing client and the virtual private network module in the at
least one access server (paragraphs [paragraphs [0076, 0087-88]).

Therefore, one of ordinary skill in the art at the time the invention was made would have found it obvious to implement or incorporate Hess's encryption/decryption of public/private portions in Ara's system providing routing platforms wherein users can send command data to multiple remote devices of the same type, as well as send collaborative data to other users.

As per claim 6, Ara discloses the system of claim 5, wherein:

the virtual private network module in the remote computing client communicates with the virtual private network module in the at least one access server using a message exchange mode (paragraphs [0088-0089]);

the virtual private network module in the remote computing client receives application layer data from at least one application executing on the remote computing client (paragraphs [0089, 0096]).

As per claim 7, Ara discloses the system of claim 6, wherein the virtual private network module in the at least one access server is configured to implement a proxy client for at least one application executing on the remote computing device (paragraphs [0061, 0063, 0100]).

As per claim 10, Ara discloses the system of claim 5, wherein the remote computing device further comprises a reconfiguration system module configured to collect system

configuration data relating to the remote computing device, generates a system

configuration file, and stores the system configuration file in a memory module in the

remote computing device (paragraphs [0063, 0069]).

As per claim 11, Ara discloses the system of claim 10, wherein the at least one access

server comprises:

a central policy manager module that configured to establishe configuration policies for

one or more remote clients that access resources via the virtual private network module

(paragraphs [0063, 0069]);

a reconfiguration system module configured to cooperate with the reconfiguration

system module in the remote computing device to impose configuration changes on the

remote computing device (paragraphs [0069]).

As per claim 12, Ara discloses the system of claim 10, wherein the reconfiguration

system configured to implement an atomic reconfiguration process on the remote

computing device (paragraph [0085]).

As per claim 13, Ara discloses the system of claim 5, wherein the remote computing device comprises a local proxy module that emulates an HTTP proxy server (paragraphs [0129, 0134]).

As per claim 14, Ara discloses the system of claim 10, wherein the remote computing device comprises a client application tunneling module, wherein the client application tunneling module configured to extract destination IP addresses and port numbers from communication packets and invokes the reconfiguration system module to reconfigure a name-to-address mapping for communications between the remote computing device and an application executing on a remote server (paragraphs [0076-0077]).

As per claim 15, Ara discloses the system of claim 5, wherein at least one server in the point of presence node further comprises a network address translation module configured to perform network address translation on incoming and outgoing packets to enable remote access to resources on one or more networks outside the target computing network (paragraphs [0030, 0066, 0072]).

As per claim 16, Ara discloses the system of claim 15, wherein the network address translation module is configured to automatically determine a network configuration for the at least one target computing network (paragraphs [0072, 0076]).

As per claim 17, Ara discloses the system of claim 5, wherein:

the at least one access server comprises a first network backup module (paragraph [0073]);

the remote computing device comprises a second network backup module (paragraph [0093]);

the first network backup module and the second network backup module configured to cooperate to back up and restore one or more files from the remote at least one access server (paragraphs [0093, 0097]).

As per claim 18, Ara discloses the system of claim 17, wherein the first network backup module configured to maintain incremental backups of files used by the remote computing client (paragraph [0073]).

Response to Arguments

5.   Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to BARBARA BURGESS whose telephone number is

(571)272-3996. The examiner can normally be reached on M-F (8:00am-4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Barbara N Burgess/   Barbara N Burgess
Examiner, Art Unit 2457   Primary Examiner
                                                           Art Unit 2457
      June 15, 2011

      /Barbara N Burgess/
      Primary Examiner, Art Unit 2457